

III-19

POINT PAPER
ON

97 AUG 1986

ASAT MID-ALTITUDE PROBE (MAP) TEST (U)

- ☒ MAP test, 22 Aug 86, deployed Miniature Vehicle (MV) programmed to acquire and home on irradiance of a star in compliance with FY86 Congressional restriction on intercept testing -- pseudo intercept at 183 NMI altitude.
- (U) The primary objectives of the MAP are to:
 - (U) Evaluate MV maneuver rocket plane effects on IR sensor assembly.
 - (U) MV software modifications cause sensor assembly to momentarily turn off during maneuver rocket firings to prevent plane interference in field of view.
 - (U) Evaluate potential effects of debris (possibly resulting from MV spin-up) in field of view during search and acquisition.
 - (U) Evaluate effect of Earth's limb on IR sensor performance.
 - (U) Assess MV endurance; particularly focal plane array warm-up and MV battery capacity.
- ☒ Real-time indications from missile telemetry and Vandenberg and Beale tracking are that the MAP test was successful.
 - (U) Success/failure of MV to acquire designated star and perform homing maneuvers will be known within a week.
 - (U) Detailed report of MV performance will be available within 30-60 days.
- ☒ Next test, Low-Altitude Probe (LAP), currently scheduled for 12 Sep 86, with pseudo intercept at 101 NMI altitude-- similar objectives but more stressful due to greater atmospheric effects at lower altitudes.
- ☒ The two FY86 Probes will exhaust utility of such tests--program needs FY87 intercept tests.

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DCS/PLM
DCS Approval

Capt D111222/EP80/3939/va1/22 Aug 86

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